

Declaration and Power of Attorney for Patent Application RECEIVED

FEB 2 8 2002

As a below named inventors, I hereby declare that:

TECH CENTER 1600/2900

My residence, post office address and citizen ship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint

[] is attached hereto. [x] was filed on: <u>17 Aug</u> Application Serial No.:			
and was amended on:	09/135,010		
hereby state that I have reviewed the claims, as amended by any am		s of the above-identified speci	fication, including
acknowledge the duty to disclose Code of Federal Regulations, § 1.		rial to patentability in accordar	nce with Title 37,
hereby claim foreign priority ber for patent or inventor's certificate or inventor's certificate having a f	listed below and have also i	dentified below any foreign ap	plication for paten
Prior Foreign Application(s)			Priority Claimed
	(6)	(Day/Manth/Wash)	. []
(Number)	(Country)	(Day/Month/Year)	Yes No
(Number)	(Country)	(Day/Month/Year)	
(Number) hereby claim the benefit under T	(Country)	(Day/Month/Year)	Yes No [] [] Yes No
(Number)	(Country)	(Day/Month/Year) § 119(e) of any United States p	Yes No [] [] Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior



08/921,068		
(Application Serial No.)	(Filing Date)	(Status)
08/739,383		• .
(Application Serial No.)	(Filing Date)	(Status)

I or we hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **Customer Number 6449**. Direct all correspondence about the application to **Customer Number 6449**.

First Named Inventor Mark T. KEATING	Signature	2-25 Date
Residence 1 Mason Street, Brookline, Massach	nusetts 02446	Citizenship United States of America
Post Office Address Same as above		·
Second Inventor Michael C. SANGUINETTI	Signature	Date
Residence 726 N. Donner Hill Road, Salt Lake	City, Utah 84108	Citizenship United States of America
Post Office Address Same as above		
Third Named Inventor Mark E. CURRAN	Signature	Date
Residence 685 Poinsettia Drive North, Encinita	s, California 92037	Citizenship United States of America
Post Office Address Same as above		

Fourth Named Inventor Gregory M. LANDES	Signature	Date
Residence 19 Indian Meadow Drive, Northb	oro, Massachusetts 01532	Citizenship United States of America
Post Office Address Same as above		·
Fifth Named Inventor Timothy D. CONNORS	Signa*ure	Date
Residence 227 Wood Street, Hopkinton, Ma	ssachusetts 01748	Citizenship United States of America
Post Office Address Same as above		
Sixth Named Inventor Timothy C. BURN	Signature	Date
Residence 212 Marian Court, Belle Terre, Ho	ockessin, Delaware 19707	Citizenship United States of America
Post Office Address Same as above		
Seventh Named Inventor Igor SPLAWSKI	Signature A	Date 2/28/2001
Residence 97 Chester Street, Apt. A-2, Allsto	on, Massachusetts 02134	Citizenship Poland
Post Office Address Same as above	,	



Declaration and Power of Attorney for Patent Application

RECEIVED

TECH CENTER 1600/2900

As a below named inventors, I hereby declare that:

[x] was filed on: 17 August 1998

[] is attached hereto.

My residence, post office addre: nd citizenship are as st ted below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, on the invention entitled KVLQT1 - A LONG QT SYNDROME GENE, the specification of which

Application Serial No.: 0 and was amended on: 5 1				·	
I hereby state that I have reviewed ar the claims, as amended by any amen			above-identified spe	ecification, inc	luding
I acknowledge the duty to disclose in Code of Federal Regulations, § 1.56(material to pa	tentability in accore	dance with Tit	le 37,
I hereby claim foreign priority benefit for patent or inventor's certificate list or inventor's certificate having a filin	ted below and have a	lso identified	below any foreign	application for	
Prior Foreign Application(s)			•	Priority C	laimed
(Number)	(Country)		ay/Month/Year)	[] Yes	[] No
(Number)	(Country)	_ <u>(D</u>	ay/Month/Year)	[] Yes	[] No
I hereby claim the benefit under Title application(s) listed below.	e 35, United States C	ode § 119(e)	of any United State	es provisional	
60/094,477	29 July	1998			
(Application Serial No.)		g Date)	-		
60/019,014		ember 1995			
(Application Serial No.)	(Filing	g Date)			
I hereby claim the benefit under Title	e 35, United States C	ode, § 120 of	any United States	application(s)	listed

below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior



08/921,068	29 August 1997		
(Application Serial No.)	(Filing Date)	(Status)	
08/739,383	29 October 1996	·	
(Application Serial No.)	(Filing Date)	(Status)	

I or we hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 6449. Direct all correspondence about the application to Customer Number 6449.

First Named Inventor Mark T. KEATING	Signature	Date
Residence 1 Mason Street, Brookline, Massac	husetts 02446	Citizenship United States of America
Post Office Address Same as above		·
Second Inventor Michael C. SANGUINETTI	Signature M. Laugurett	Date /3-March-2001
Residence 726 N. Donner Hill Road, Salt Lak	V	Citizenship United States of America
Post Office Address Same as above	•	
Third Named Inventor Mark E. CURRAN	Signature	Date
Residence 685 Poinsettia Drive North, Encini	tas, California 92037	Citizenship United States of America
Post Office Address Same as above		

Fourth Named Inventor Gregory M. LANDES	Signature	Date
Residence 19 Indian Meadow Drive, Northboro, Massac	husetts 01532	Citizenship United States of America
Post Office Address Same as above		
Fifth Named Inventor Timothy D. CONNORS	Signature .	Date
Residence 227 Wood Street, Hopkinton, Massachusetts (01748	Citizenship United States of America
Post Office Address Same as above		
Sixth Named Inventor Timothy C. BURN	Signature	Date
Residence 212 Marian Court, Belle Terre, Hockessin, De	elaware 19707	Citizenship United States of America
Post Office Address Same as above		
Seventh Named Inventor Igor SPLAWSKI	Signature	Date
Residence 97 Chester Street, Apt. A-2, Allston, Massach	usetts 02134	Citizenship Poland
Post Office Address Same as above		





Declaration and Power of Attorney for Patent Application

RECEIVED

FEB 2 8 2002

As a below named inventors, I hereby declare that:

[x] was filed on: 17 August 1998

Application Serial No.: 09/135,010

[] is attached hereto.

TECH CENTER 1600/2900

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, on the invention entitled KVLQT1 - A LONG QT SYNDROME GENE, the specification of which

and was amended on: _5	May 1999	•		
I hereby state that I have reviewed the claims, as amended by any ame	and understand the content and understand the content referred to above.	its of the above-identified spe	cification, ind	cluding
I acknowledge the duty to disclose Code of Federal Regulations, § 1.5	information which is mate 6(a).	erial to patentability in accord	lance with Tit	tle 37,
I hereby claim foreign priority bene for patent or inventor's certificate li or inventor's certificate having a fil	sted below and have also	identified below any foreign a	application fo	ition(s) or patent
Prior Foreign Application(s)			Priority C	laimed
(Number)	(Country)	(Day/Month/Year)	[] Yes	[] No
(Number)	(Country)	(Day/Month/Year)	[] Yes	[] No
hereby claim the benefit under Tit application(s) listed below.	le 35, United States Code	§ 119(e) of any United States	s provisional	
60/094,477 (Application Serial No.)	29 July 199 (Filing Da			
60/019,014 (Application Serial No.)				

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior



_08/921,068	29 August 1997	
(Application Serial No.)	(Filing Date)	(Status)
08/739,383		
(Application Serial No.)	(Filing Date)	(Status)

I or we hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **Customer Number 6449**. Direct all correspondence about the application to **Customer Number 6449**.

First Named Inventor Signature Mark T. KEATING	Date
Residence 1 Mason Street, Brookline, Massachusetts 02446	Citizenship United States of America
Post Office Address Same as above	
Second Inventor Signature Michael C. SANGUINETTI	Date
Residence 726 N. Donner Hill Road, Salt Lake City, Utah 84108	Citizenship United States of America
Post Office Address Same as above	
Third Named Inventor Mark E. CURRAN Signature	Date 4/3/01
Residence 5426 Fernwood AVE, NEWARK, CA 94560 685 Poinsettia Drive North, Encinitas, California 92037 MEC 4/5/01	Citizenship United States of America
Post Office Address Same as above	

Fourth Named Inventor Gregory M. LANDES	Signature	Date
Residence 19 Indian Meadow Drive, Northboro	, Massachusetts 01532	Citizenship United States of America
Post Office Address Same as above		
Fifth Named Inventor Timothy D. CONNORS	Signature	Date
Residence 227 Wood Street, Hopkinton, Massac	chusetts 01748	Citizenship United States of America
Post Office Address Same as above		
Sixth Named Inventor Timothy C. BURN	Signature	Date
Residence 212 Marian Court, Belle Terre, Hock	essin, Delaware 19707	Citizenship United States of America
Post Office Address Same as above		
Seventh Named Inventor Igor SPLAWSKI	Signature	Date
Residence 97 Chester Street, Apt. A-2, Allston,	Massachusetts 02134	Citizenship Poland
Post Office Address Same as above		





FEB 2 8 2002

TECH CENTER 1600/2900

Atty. Docket No. <u>2323-133</u>

Declaration and Power of Attorney for Patent Application

As a below named inventors, I hereb	by declare that:			
My residence, post office address an	nd citizenship are as stated	l below next to my name,		
I believe I am the original, first and s inventor (if plural names are listed b sought, on the invention entitled KV	elow) of the subject matt	er which is claimed and for v	vhich a patent	is
[] is attached hereto. [x] was filed on: 17 August Application Serial No.: 0 and was amended on: 5]	9/135,010	· .		
I hereby state that I have reviewed at the claims, as amended by any amen		ts of the above-identified spe	cification, inc	luding
I acknowledge the duty to disclose in Code of Federal Regulations, § 1.56		rial to patentability in accord	ance with Tit	le 37,
I hereby claim foreign priority beneft for patent or inventor's certificate list or inventor's certificate having a filing	ted below and have also i	dentified below any foreign	application fo	
Prior Foreign Application(s)			Priority Cl	laimed
(Number)	(Country)	(Day/Month/Year)	[] Yes	[] No
(Number)	(Country)	(Day/Month/Year)	[] Yes	[] No
I hereby claim the benefit under Title application(s) listed below.	e 35, United States Code	§ 119(e) of any United States	s provisional	
60/094,477	29 July 199	8		
(Application Serial No.)	(Filing Da			
60/019,014	22 Decemb	er 1995_		

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior

(Application Serial No.)



(Filing Date)

08/921,068		· · · · · · · · · · · · · · · · · · ·
(Application Serial No.)	(Filing Date)	(Status)
08/739,383	29 October 1996	
(Application Serial No.)	(Filing Date)	(Status)

I or we hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 6449. Direct all correspondence about the application to Customer Number 6449.

First Named Inventor Sign Mark T. KEATING	nature Date
Residence 1 Mason Street, Brookline, Massachusetts 02446	Citizenship United States of America
Post Office Address Same as above	
Second Inventor Sign Michael C. SANGUINETTI	nature Date
Residence 726 N. Donner Hill Road, Salt Lake City, Utah 8410	Citizenship United States of America
Post Office Address Same as above	
Third Named Inventor Signark E. CURRAN	nature Date
Residence 685 Poinsettia Drive North, Encinitas, California 920	Citizenship United States of America
Post Office Address Same as above	

Fourth Named Inventor Gregory M. LANDES	Signature	14/0/0/
Residence 1603 Veta Drive, 19 Indian Meadow Drive, Northboro,	Livermolre, CA 94550 Massachusetts 01532 Gm. 4/10/01	Citizenship United States of America
Post Office Address Same as above		
Fifth Named Inventor Timothy D. CONNORS	Signa ure	Date
Residence 227 Wood Street, Hopkinton, Massac	husetts 01748	Citizenship United States of America
Post Office Address Same as above		
Sixth Named Inventor Timothy C. BURN	Signature	Date
Residence 212 Marian Court, Belle Terre, Hocke	ssin, Delaware 19707	Citizenship United States of America
Post Office Address Same as above		
Seventh Named Inventor Igor SPLAWSKI	Signature	Date
Residence 97 Chester Street, Apt. A-2, Allston, N	∕assachusetts 02134	Citizenship Poland
Post Office Address Same as above		



Atty. Docket No. 2323-133

Declaration and Power of Attorney for Patent Application

As a below named inventors, I hereby declare that:

My residence, post office address and citizenship are as a ted below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, on the invention entitled KVLQT1 - A LONG QT SYNDROME GENE, the specification of which

	LQII MLOMO QIS	Trebrowne Gerve, and speed			
[] is attached hereto.					
[x] was filed on: 17 August	1998				
Application Serial No.: 0	9/135,010				
and was amended on: 51	May 1999				
I hereby state that I have reviewed ar the claims, as amended by any amen			cificati	ion, inc	luding
I acknowledge the duty to disclose in Code of Federal Regulations, § 1.56		erial to patentability in accord	lance v	vith Tit	le 37,
I hereby claim foreign priority beneft for patent or inventor's certificate list or inventor's certificate having a filin	ted below and have also	identified below any foreign	applica	ation fo	
Prior Foreign Application(s)			Pri	ority Cl	laimed
(Number)	(Country)	(Day/Month/Year)		[] Yes	[] No
(Number)	(Country)	(Day/Mondi Tear)		1 65	140
(Number)	(Country)	(Day/Month/Year)		[] Yes	[] No -
I hereby claim the benefit under Title application(s) listed below.	e 35, United States Code	e § 119(e) of any United State	s provi	isional	
60/094,477	29 July 19	98			
(Application Serial No.)	(Filing D	ate)	•		
60/019,014	22 Decem	ber 1995_			
(Application Serial No.)	(Filing D	ate)			

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior



08/921,068	29 August 1997	
(Application Serial No.)	(Filing Date)	(Status)
08/739,383		•
(Application Serial No.)	(Filing Date)	(Status)

I or we hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **Customer Number 6449**. Direct all correspondence about the application to **Customer Number 6449**.

First Named Inventor Mark T. KEATING	Signature	Date
Residence 1 Mason Street, Brookline, Massach	nusetts 02446	Citizenship United States of America
Post Office Address Same as above		
Second Inventor Michael C. SANGUINETTI	Signature	Date
Residence 726 N. Donner Hill Road, Salt Lake	City, Utah 84108	Citizenship United States of America
Post Office Address Same as above		
Third Named Inventor Mark E. CURRAN	Signature	Date
Residence 685 Poinsettia Drive North, Encinita	s, California 92037	Citizenship United States of America
Post Office Address Same as above		

Fourth Named Inventor Gregory M. LANDES	Signature	Date
Residence 1603 Vetta Drive	e, Livermore, California 94550	Citizenship United States of America
Post Office Address Same as above		
Fifth Named Inventor Timothy D. CONNORS	Signature Signature	7/8/0/
Residence 227 Wood Street, Hopkinton, Mas	sachusetts 01748	Citizenship United States of America
Post Office Address Same as above		
Sixth Named Inventor Timothy C. BURN	Signature	Date
Residence 212 Marian Court, Belle Terre, Ho	ockessin, Delaware 19707	Citizenship United States of America
Post Office Address Same as above		
Seventh Named Inventor Igor SPLAWSKI	Signature	Date
Residence 97 Chester Street, Apt. A-2, Allsto	n, Massachusetts 02134	Citizenship Poland
Post Office Address Same as above		





FEB 2 8 2002_{Atty}. Docket No. <u>2323-133</u>
TECH CENTER 1600/2900

Declaration and Power of Attorney for Patent Application

As a below named inventors, I hereby declare that:

[] is attached hereto.

My residence, post office address and citizenship are as tated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, on the invention entitled KVLQT1 - A LONG QT SYNDROME GENE, the specification of which

[x] was filed on: <u>17 Augus</u> Application Serial No.: <u>(</u> and was amended on: <u>5</u>	09/135,010		
I hereby state that I have reviewed a the claims, as amended by any amer	and understand the content	ts of the above-identified speci	ification, including
I acknowledge the duty to disclose i Code of Federal Regulations, § 1.56	nformation which is mate (a).	erial to patentability in accorda	nce with Title 37,
I hereby claim foreign priority benef for patent or inventor's certificate lis or inventor's certificate having a fili	sted below and have also	identified below any foreign ap	oplication for patent
Prior Foreign Application(s)			Priority Claimed
(Number)	(Country)	(Day/Month/Year)	[] [] Yes No
(Number)	(Country)	(Day/Month/Year)	[] [] Yes No
I hereby claim the benefit under Titl application(s) listed below.	e 35, United States Code	§ 119(e) of any United States	provisional
60/094,477	29 July 199	98	
(Application Serial No.)	(Filing Da		
60/019,014	22 Decemb	er 1995	
(Application Serial No.)	(Filing Da		
hereby claim the benefit under Titl	e 35, United States Code.	§ 120 of any United States ap	plication(s) listed

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior



08/921,068	29 August 1997	<u> </u>
(Application Serial No.)	(Filing Date)	(Status)
08/739,383	29 October 1996	
(Application Serial No.)	(Filing Date)	(Status)

I or we hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 6449. Direct all correspondence about the application to Customer Number 6449.

First Named Inventor Mark T. KEATING	Signature	Date
Residence 1 Mason Street, Brookline, Massachu	setts 02446	Citizenship United States of America
Post Office Address Same as above		
Second Inventor Michael C. SANGUINETTI	Signature	Date
Residence 726 N. Donner Hill Road, Salt Lake O	City, Utah 84108	Citizenship United States of America
Post Office Address Same as above		
Third Named Inventor Mark E. CURRAN	Signature	Date
Residence 685 Poinsettia Drive North, Encinitas	, California 92037	Citizenship United States of America
Post Office Address Same as above		

Fourth Named Inventor Gregory M. LANDES	Signature	Date
Residence 19 Indian Meadow Drive, Northboro	, Massachusetts 01532	Citizenship United States of America
Post Office Address Same as above		
Fifth Named Inventor Timothy D. CONNORS	Signature	Date
Residence 227 Wood Street, Hopkinton, Massac	chusetts 01748	Citizenship United States of America
Post Office Address Same as above		
Sixth Named Inventor Timothy C. BURN	Signature Signature	Date 02/19/01
Residence 212 Marian Court, Belle Terre, Hock	essin, Delaware 19707	Citizenship United States of America
Post Office Address Same as above		
Seventh Named Inventor Igor SPLAWSKI	Signature	Date
Residence 97 Chester Street, Apt. A-2, Allston,	Massachusetts 02134	Citizenship Poland
Post Office Address Same as above		